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(54) Title: LACTOBACILLUS FERMENTUM STRAIN AND USES THEREOF

(57) Abstract: The present invention concerns a new strain of *Lactobacillus fermentum* (LB-f) that is useful in preventing or treating gastrointestinal disorders in mammals, especially in humans. Also, this strain can be used as a dietary product that is beneficial to the wellbeing and health of mammals, including humans.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N1/20 A61K35/74 A23C9/152 A23L1/30 A23C9/123
C12R1/225

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N A61K A23L A23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, MEDLINE, SEQUENCE SEARCH, EMBL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 45727 A (LEE YEONHEE ; PAEK KYUNGSOO (KR); PLBIO CO LTD (KR)) 13 June 2002 (2002-06-13) cited in the application	1-5, 13-15, 19,21, 22,24, 25, 28-31, 34-39
Y	page 3, line 12 -page 5, line 14 page 7, line 8 -page 14, line 2; example 1 * see Sequence Listing: Seq ID NOs: 5 and 6 --- -/--	6-12, 16-18, 20,23, 26,27, 32,33



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 03 002131 A (ANNUK HEIDI ;SONGISEPP EPP (EE); ZILMER MIHKEL (EE); KULLISAAR TII) 9 January 2003 (2003-01-09)</p> <p>page 3, line 33 -page 7, line 14 page 11, line 1 -page 13, line 13</p>	<p>1-3, 13-15, 19,21, 22,24</p>
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X	<p>MCGROARTY J A ET AL: "ANTI-TUMOR ACTIVITY OF LACTOBACILLI IN-VITRO" MICROBIOS LETTERS, vol. 39, no. 155-156, 1988, pages 105-112, XP000901794 ISSN: 0307-5494 the whole document</p>	<p>1,2</p>
A	<p>the whole document</p>	<p>3-39</p>
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INTERNATIONAL SEARCH REPORT

Interr Application No
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